

# Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2006	BPY (2.0L)	All	All	All
new GTI	2007	BPY (2.0L)	All	1K_7W000001	1K_7W127714
Jetta	2007	BPY (2.0L)	All	1K_7M000001	1K_7M091087
Passat	2007	BPY (2.0L)	All	3C_7E000001	3C_7E050628
Passat	2007	BPY (2.0L)	All	3C_7P000001	3C_7P097502
Passat Wagon	2007	BPY (2.0L)	All	3C_7E000001	3C_7E129879
EOS	2007	BPY (2.0L)	All	1F_7V000001	1F_7V026451

## Condition

01 07 36 April 13, 2007 2014077 Supersedes T. B. Group 01 number 07-21 dated Feb. 13, 2007 due to additional tool requirement statement.

**Instructions:** Perform this procedure on all applicable vehicles within the Limited New Vehicle Warranty

RVU - Update Programming to Eliminate DTC P0601 Stored in DTC Memory (OY)



Tip:

This Technical Bulletin is in effect for 15 months from date of publication as listed above. After that date, this Technical Bulletin will expire and no longer be in effect.

Procedure must be performed on applicable vehicles in Dealer inventory.

This Required Vehicle Update addresses the following Diagnostic Trouble Code (DTC) on all 2006 - 2007 vehicles equipped with a 2.0L TFSI engine.

DTC	Description
P0601	Internal Control Module Memory Check Sum Error

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## Technical Background

Ineffective Engine Control Modules (ECM).

Engine Control Modules Affected Part No.	
1K0907115B	3C0907115P
1K0907115H	1Q0907115B
3C0907115G	1Q0907115D
3C0907115F	

## Production Solution

A change to the ECM software was completed in the factories as of November 2006.

## Service

Requirements:

Vehicle must meet ALL of the following criteria:

- 1.Procedure is valid only for vehicles that show the (OY) code open on the ElsaWeb Campaign / Action Information inquiry screen on the day of repair.
- 2.Vehicle must be within the Limited New Vehicle Warranty or Federal Emissions Warranty.
- 3.Procedure must be performed within the allotted time frame stated in this Technical Bulletin.

PROCEDURE:



Tip:

Update programming procedure has been revised for vehicles equipped with the higher speed diagnostic CAN-bus.

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## Engine Control Module Update - Programming (Flashing)



Tip:

When performing the update programming procedure, ALL DTCs for all systems are erased. DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the update programming procedure first.

The following "Update - Programming" (flashing) process may overwrite any "TUNED" ECM programming. A "TUNED" ECM is described as any ECM altered so as to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc.

If you encounter a vehicle with a "Tuned" ECM, prior to performing the "Update - Programming" (flashing) procedure:

Your Dealership should place the vehicle owner on notice in writing, that their ECM was found to have been tuned, and that any damage caused by the tuning of the ECM (including any adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.

For any repair requested by the owner under warranty or outside warranty that requires update programming, which will automatically wipe out the "Tuning" program, your Dealership should advise the owner of the above and get Owner's written consent (see attached Control Module Tuning form) to the update programming procedure.

### Tool requirements

VAS 5051 or VAS 5052 (with Base CD V.10.01 and the Brand CD V.10.70.00 or higher).

Ensure you have installed VAS Base Software Patch, CD W42BaseSoftwarePatch from Service Circular VLS0706.

"Update - Programming" (flashing) CD W4220LTFSIP0601.



Tip:

Additional copies of the "Update - Programming" CD (Literature Number W4220LTFSIP0601) may be ordered from the Volkswagen Technical Literature Ordering Center at [www.vw.resolve.com](http://www.vw.resolve.com), or by calling 1-800-544-8021 from 8:00 a.m. to 8:00 p.m. EST Monday through Friday. This number can be dialed in both the United States and Canada.

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## Vehicle requirements

Battery MUST have minimum no-load charge of 12.5V.



### Tip:

For software programming to execute properly, vehicle battery must be maintained by an approved VW battery charger/maintainer (INC-940). Failure to comply with these guidelines may result in hardware or software programming failure.

VAS 5051: connected to vehicle and to 110V AC Power supply at all times during procedure.

VAS 5052: connected to vehicle with battery voltage requirements met.

Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.

When performing the update programming procedure, ALL DTCs for all systems are erased.

DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the update programming procedure first.



### Note:

Non-observance of the following points may lead to ECM failure! VAS 5051 or VAS 5052 must always be connected to the approved power supply at the approved voltages. Under no circumstances should the power supply be interrupted or the diagnostic connector unplugged during the update programming procedure. Any appliances with high electromagnetic radiation (i.e. mobile phones) must be switched OFF.



### Tip:

Before update programming, delete the fault memory in the ECM. Update programming is not possible when an EEPROM fault is active.

Reprogram ECM with CD - Part number W4220LTFSIP0601.

- Insert the programming CD into the VAS 5051 / 5052, and access the ECM.



### Tip:

If the update programming button does not appear, the latest version has already been installed to the level below.

Programming starts by pressing the "Update Programming" button and following the on screen prompts.

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## Note:

Once update programming begins, on NO occasion should the Cancel button be selected.

- Press the "Update Programming" button.



## Tip:

Once update programming is complete, turn OFF ignition for 30 seconds.

After a minimum of 30 seconds, turn ON ignition.

It is recommended to use 1001- Compiling Services prompt to clear faults stored in various control modules.

Updated Engine Control Modules			
Part No.	Software Level		Part No.      Software Level
1K0907115B	0030		3C0907115F      0020
1K0907115H	0030		3C0907115P      0030
1Q0907115D	0030		

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## Warranty

Required Vehicle Update  
Technical Bulletin Time  
Requirements /  
Reimbursement

To ensure prompt and proper payment, be sure to enter, immediately upon completion of the repair work, the applicable reimbursement code listed below. Claims will only be paid for vehicles that show the (OY) code in the ElsaWeb Campaign Action Information screen on the day of repair.

(OY) Data Entry Procedure Use Claim Type RC

Repair Code (Damage Code Field)	Time Units	Work Scope
OY 12	20 T.U.	(Update ECM Software Level)
There is <u>NO</u> Reimbursement for Vehicle Wash or Loaner Vehicle		

The system automatically enters parts and labor applicable to the above listed code.

For vehicles that, according to your information, cannot be corrected or reached, and one of the codes below best describe the reason, please enter one of the applicable codes into the system:

- OY 20 Customer Refused Repairs

Additional Required  
Vehicle Update  
Technical Bulletins

Some of the affected vehicles may be involved in additional Required Vehicle Update Technical Bulletins. Please check your ElsaWeb Campaign Action Information screen so that any additional required work can be done simultaneously.

Required Vehicle Update  
Technical Bulletin  
Verification

For verification, always check the ElsaWeb Campaign Action Information screen. The ElsaWeb Campaign Action Information system is the only binding inquiry and verification system; other systems are not valid and may result in non-payment of a claim.

Help for Claim Input

For questions regarding claim input, contact the Warranty Helpline toll-free at 1-866-306-8447. Please do not contact the Campaign Helpline regarding claim input.

Required Customer  
Notification

Inform your customer in writing by recording on the Repair Order any and all work that was conducted on the vehicle, including any and all updates completed under this Technical Bulletin.

## Required Parts and Tools

Description	Part No:	Quantity
CD	W4220LTFSIP0601	1

No Special Tools required.

## OY Saga Claim Entry Procedure

Check in the system Service-Online, FISH (VSI), to determine whether the "OY00" campaign is open.

Service No.: OY00

Damage Code: 0099

Parts Manufacturer – Removed part:

*Please use the vendor code from the removed part. If no vendor code is available, then use K21.*

Claim Type

Sold vehicle = 7 10

Unsold vehicle = 7 90

### Accounting Instructions

Criteria I.D. 01 Update ECM Software Level

Repair operation: 9794 25 99 20 T.U.

*There is NO reimbursement for Vehicle Wash or Loaner Vehicle!*

### If Customer refused repairs

Fax the Repair Order to VWoA at (248) 754-5093 and provide VIN, applicable Service Number, Customer Information, Dealer Number and Date

## CONTINUE TO NEXT PAGE

The repair information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Volkswagen dealer. ©2006 Volkswagen of America, Inc. and Volkswagen Canada Inc. All Rights Reserved.

OY (OY00)

Saga Information Added: March 2007

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## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.





## OWNER INFORMATION ABOUT CONTROL MODULE TUNING\* ACKNOWLEDGEMENT AND AUTHORIZATION FOR REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)

*\*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc..*

Date: \_\_\_\_\_

Dealer Number: \_\_\_\_\_

Vehicle Identification Number: \_\_\_\_\_

Repair Order Number: \_\_\_\_\_



Dealer stamp

I \_\_\_\_\_, owner or driver of the above identified Volkswagen, confirm:

☐ "Tuning" as described above (especially power increasing modifications) has NOT been performed on my vehicle.

☐ "Tuning" as described above has been performed on my vehicle and the following components were modified or installed:

\_\_\_\_\_  
TUNING was performed by (Please provide Company name and telephone number, if you wish us to contact them):  
\_\_\_\_\_

I understand that if my Control Module is determined to have been tuned, any damage caused by the tuning of the Control Module (including adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.

I am permitting an authorized Volkswagen Dealer to reflash (update) my Control Module, and by doing so, I understand that this process will automatically overwrite (destroy) and permanently delete any tuning program that was previously installed on the Control Module of my Volkswagen vehicle.

By signing below, I fully acknowledge and understand that the tuning program will not be restored and Volkswagen of America, Inc., will not be liable in any way for the loss of tuning data.

\_\_\_\_\_  
Signature of Customer